Claims

1. A multilayer film comprising two outer layers and at least one inner layer interposed between the outer layers, wherein the multilayer film:

(i) is uniaxially oriented in a machine direction;

(ii) comprises an olefinic resin; and

(iii) has (a) a tear strength in a machine direction of not less than about 30 kg/cm, and (b) a tensile breaking point elongation in a machine direction of not more than about 150%.

2. The multilayer film according to Claim 1, wherein the multilayer film has a tear strength in a transverse direction of not higher than about 30 kg/cm.

3. The multilayer film according to Claim 1, wherein a ratio of the tear strength in a machine direction to that in a transverse direction is not less than about 3.

4. The multilayer film according to Claim 1, wherein said two outer layers contain a propylene based resin.

5. The multilayer film according to Claim 1, wherein said inner layer contains an ethylene based resin.

6. The multilayer film according to Claim 1, wherein said inner layer contains at least one ethylene based resin selected from the group consisting of low density

polyethylene, copolymers of ethylene with at least one α-olefin having 3 to 10 carbon atoms, copolymers of ethylene with vinyl acetate, copolymers of ethylene with an acrylic acid ester and copolymers of ethylene with an methacrylic acid ester.

7. The multilayer film according to Claim 1, wherein the multilayer film has a three-layer construction of outer layer (1)/inner layer/outer layer (2).

8. The multilayer film according to Claim 1, wherein the multilayer film has a five-layer construction of outer layer (1)/additional inner layer (1)/inner layer/additional inner layer (2)/outer layer (2).

9. The multilayer film according to Claim 1, wherein the multilayer film has a five-layer construction of outer layer (1)/inner layer (1)/additional inner layer/inner layer (2)/outer layer (2).

10. The multilayer film according to Claim 1, wherein the multilayer film further has a heat resisting temperature being not lower than about 130℃.

11. The multilayer film according to Claim 1, wherein said two outer layers contain a propylene based resin and the inner layer contains an ethylene based resin.

12. The multilayer film according to Claim 1, wherein said two outer layers contain a propylene based resin and said inner layer contains at least one ethylene based resin selected from the group consisting of low density polyethylene, a copolymer of ethylene with at least one α-olefin having 3 to 10 carbon atoms, a copolymer of ethylene with vinyl acetate, a copolymer of ethylene with an acrylic acid ester and a copolymer of ethylene with an methacrylic acid ester.

13. A self-tacky wrapping multilayer film, which comprises two outer layers and at least one inner layer interposed between the two outer layers, wherein the multilayer film:

(i) is uniaxially oriented in a machine direction;

(ii) comprises an olefinic resin; and

(iii) has (a) a tear strength in a machine direction of not less than about 30 kg/cm, and (b) a tensile breaking point elongation in a machine direction of not more than about 150%.

14. A roll of a self-tacky wrapping multilayer film, which is provided in a dispenser comprising a cutter for cutting a portion of said multilayer film that is withdrawn from said roll and dispenser; wherein:

the roll of self-tacky wrapping multilayer film is wound around a core material;

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said multilayer film comprises two outer layers, and at least one inner layer interposed between the two outer layers; and

said multilayer film is uniaxially oriented in a machine direction, comprises an olefinic resin, and has (a) a tear strength in a machine direction of not less than about 30 kg/cm, and (b) a tensile breaking point elongation in a machine direction of not more than about 150%.

15. A roll of a self-tacky wrapping multilayer as recited in claim 14, wherein the dispenser allows one to (i) withdraw a portion of the self-tacky wrapping multilayer film from the roll and the dispenser, and (ii) cut the withdrawn portion of the self-tacky wrapping multilayer film utilizing said cutter.

16. A roll of a self-tacky wrapping multilayer film as recited in Claim 14, wherein the dispenser is a carton containing a cardboard or a coated cardboard, and said cutter possesses a serrated or saw toothed cutting edge for cutting the portion of the multilayer film that is withdrawn from the roll and the dispenser.